

FISH 503 Advanced Limnology (University of Idaho, Moscow Campus)

Coring and Paleolimnology Module Schedule

Day 1 - Thursday Jan 26th, 2012

- 08:30-09:00** CNR 102 - Introductions, course overview and objectives/goals
- 09:00-10:00** Coring overview, history, use, inferences, coring techniques and devices, equipment overview for afternoon lab, lab/ice safety
- 10:00-10:15** Break (get dry ice for afternoon)
- 10:15-11:00** Coring overview cont'd -
- 11:00-12:00** Ice safety / discussion of parameters of interest for potential questions to be addressed in afternoon lab (CNR 102)
Time permitting - Coring used to examine heavy metal accumulation in Coeur D'Alene Chain lakes.
- 12:00-13:00** **Lunch**
- 13:00-16:30** Field lab - coring techniques, collection of cores through ice. Load equipment, set up, drill holes, core, get info discussed in AM planning session, clean up and return to lab.
- 16:30-17:00+** Lab preps of cores from field. Extrusion of K-B cores. CNR 216

Day 2 - Friday January 27th, 2012

- 08:30-10:00** Check on overnight samples, weigh, load into muffle furnace, Microscopic examination of collected core material CNR 216.
- 10:00-10:15** Break
- 10:15-12:00** CNR 205 Sediment coring program; core dating, (Pb^{210} , Cs^{137} , C^{14} , other markers); dredging; permitting; disposal of material / biological indicators, transfer functions.
- 12:00-13:00** **Lunch** - (check on sample progress if needed)
- 13:00-14:45** Paper synopsis / sediment calculations
- 15:45-15:00** **Break** - (check on samples - or weigh if needed)
- 15:00-16:00** Guest Speaker Joe Eilers
- 16:00-17:00** Calculations, water content, formatting and organization of coring results from Day 1, dredging calculations. Presentation of coring results and discussion, module wrap up, discussion of assignment for module.